CLAIMS

[Claim 1] A temperature output apparatus comprising:

a temperature acquisition unit configured to acquire an area temperature for each of M (M is an integer of two or greater) areas obtained by virtually dividing a single air-conditioned space; and

an output unit configured to output the area temperatures using colors of lighting of areas corresponding to the area temperatures,

wherein the output unit outputs a lower area temperature using a color of lighting having a higher color temperature, and outputs a higher area temperature using a color of lighting having a lower color temperature.

[Claim 2] A temperature output apparatus comprising:

a temperature acquisition unit configured to acquire an area temperature for each of M (M is an integer of two or greater) areas obtained by virtually dividing a single air-conditioned space; and

an output unit configured to output the area temperatures using sounds in areas corresponding to the area temperatures,

wherein the output unit outputs a lower area temperature using a sound that feels cooler, the sound being a babbling river sound, a wave sound, or a wind chime sound, and outputs a higher area temperature using a sound that feels warmer, the sound being a bonfire sound.

[Claim 3] An air-conditioning system comprising:

a temperature acquisition unit configured to acquire an area temperature for each of M (M is an integer of two or greater) areas obtained by virtually dividing a single air-conditioned space;

an output unit configured to output the area temperatures;

an air conditioner configured to adjust a temperature of air;

a supply unit configured to supply, to the air-conditioned space, air whose temperature was adjusted by the air conditioner; and

a control unit configured to control the supply unit using the area temperatures such that the air-conditioned space has a desired temperature,

wherein the air-conditioned space is virtually divided into N (N is an integer greater than or equal to M) sections,

each of the areas is made up of one, two, or more sections,

the supply unit includes multiple section supply units configured to independently supply, to the respective N sections, air whose temperature was adjusted by the air conditioner, and

the control unit controls the multiple section supply units such that each of the M area temperatures becomes a different target temperature.

[Claim 4] The air-conditioning system according to claim 3,

wherein the control unit sets the target temperatures of the areas such that heat transfer between adjacent areas is reduced.

[Claim 5] The air-conditioning system according to claim 3,

wherein the temperature acquisition unit is further configured to acquire a perimeter temperature that is a temperature of a perimeter of the air-conditioned space, and

the control unit sets the target temperatures of the areas such that a temperature difference between the target temperature of an area having the perimeter and the perimeter temperature of the perimeter is reduced.

[Claim 6] The air-conditioning system according to claim 3, further comprising:

a number-of-occupants acquisition unit configured to acquire a total number of occupants in the air-conditioned space,

wherein, if the number of occupants acquired by the number-of-occupants acquisition unit is smaller than a threshold, the control unit reduces a size of an area with a target temperature for which an air conditioning load is highest.

[Claim 7] The air-conditioning system according to claim 3, further comprising:

a number-of-occupants acquisition unit configured to acquire, for each of the areas, a total number of occupants in the area of the air-conditioned space; and

an occupant density acquisition unit configured to acquire, for each of the areas, an occupant density of the area using the number of occupants in the area acquired by the number-of-occupants acquisition unit,

wherein the control unit enlarges an area in which the occupant density

acquired by the occupant density acquisition unit is higher than a threshold.

[Claim 8] A temperature output method comprising:

a step of acquiring an area temperature for each of M (M is an integer of two or greater) areas obtained by virtually dividing a single air-conditioned space; and

a step of outputting the area temperatures using colors of lighting of areas corresponding to the area temperatures,

wherein, in the step of outputting the area temperatures, a lower area temperature is output using a color of lighting having a higher color temperature, and a higher area temperature is output using a color of lighting having a lower color temperature.

[Claim 9] A temperature output method comprising:

a step of acquiring an area temperature for each of M (M is an integer of two or greater) areas obtained by virtually dividing a single air-conditioned space; and

a step of outputting the area temperatures using sounds in areas corresponding to the area temperatures,

wherein, in the step of outputting the area temperatures, a lower area temperature is output using a sound that feels cooler, the sound being a babbling river sound, a wave sound, or a wind chime sound, and a higher area temperature is output using a sound that feels warmer, the sound being a bonfire sound.

[Claim 10] A control method of an air-conditioning system that includes an air conditioner configured to adjust a temperature of air and a supply unit configured to supply, to an air-conditioned space, air whose temperature was adjusted by the air conditioner, the method comprising:

a step of acquiring an area temperature for each of M (M is an integer of two or greater) areas obtained by virtually dividing a single air-conditioned space;

a step of outputting the area temperatures; and

a step of controlling the supply unit using the area temperatures such that the air-conditioned space has a desired temperature,

wherein the air-conditioned space is virtually divided into N (N is an integer greater than or equal to M) sections,

each of the areas is made up of one, two, or more sections,

the supply unit includes multiple section supply units configured to independently supply, to the respective N sections, air whose temperature was adjusted by the air conditioner, and

in the step of controlling the supply unit, the multiple section supply units are controlled such that each of the M area temperatures becomes a different target temperature.